



9423.ST25.txt
SEQUENCE LISTING

<110> The Procter & Gamble Company
<120> Composition for Comprising a Mouse Hrt Protein-Human Interacting Partner Protein Complex (Revised)
<130> 9423
<140> 10/712,629
<141> 2003-11-13
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<170> PatentIn version 3.3
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9423.ST25.txt

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9423.ST25.txt

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 <213> Homo sapiens HIC Protein Isoform P32 and Isoform 40

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 <212> DNA
 <213> Homo Sapiens Insulin-like Growth Factor Binding Domain Protein 6

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<212> DNA
<213> Mus Musculus Vitamin D Receptor

9423.ST25.txt

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<212> PRT

<213> Nucleotide sequence of HRT corresponding to the amino acid residue of the C-terminal portion of HR protein

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Gly	Cys	Thr	Gly	Thr	Gly	Thr	Cys	Cys	Ala	Gly	Gly	Cys	Ala	Gly	Cys
							20					30			

Thr	Gly	Gly	Ala	Gly	Ala	Gly	Gly	Thr	Ala	Gly	Gly	Gly	Gly	Thr	Ala
						35						40			

Cys	Thr	Gly	Ala	Cys	Cys	Gly	Gly	Cys	Cys	Ala	Cys	Thr	Cys	Cys	Cys
						50					55		60		

9423.ST25.txt

Ala Gly Ala Ala Ala Thr Cys Ala Cys Gly Thr Ala Gly Gly Thr Cys
65 70 75 80

Ala Cys Cys Cys Cys Thr Gly Gly Ala Ala Gly Ala Gly Ala Gly
85 90 95

Cys Ala Gly Thr Thr Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly
100 105 110

Ala Thr Thr Cys Cys Thr Cys Thr Gly Cys Cys Ala Cys Thr Thr Cys
115 120 125

Cys Gly Ala Ala Gly Ala Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala
130 135 140

Gly Gly Gly Cys Cys Thr Gly Gly Cys Cys Cys Ala Gly Ala Ala Gly
145 150 155 160

Cys Thr Thr Cys Ala Cys Thr Cys Ala Ala Cys Ala Ala Gly Gly
165 170 175

Cys Cys Thr Gly Gly Cys Cys Ala Ala Gly Cys Ala Cys Cys Thr Gly
180 185 190

Cys Thr Gly Ala Gly Thr Gly Gly Thr Thr Thr Gly Gly Gly Gly
195 200 205

Ala Cys Cys Gly Ala Cys Thr Cys Thr Gly Cys Cys Gly Cys Cys Thr
210 215 220

Gly Cys Thr Gly Cys Gly Gly Ala Ala Gly Gly Ala Gly Cys Gly Gly
225 230 235 240

Gly Ala Gly Gly Cys Cys Cys Thr Thr Gly Cys Cys Thr Gly Gly
245 250 255

Cys Ala Cys Ala Gly Cys Gly Ala Gly Ala Ala Gly Gly Cys Cys Ala
260 265 270

Gly Gly Gly Gly Cys Cys Ala Gly Cys Cys Ala Thr Gly Ala Cys Ala
275 280 285

Gly Ala Gly Gly Ala Cys Ala Gly Cys Cys Cys Ala Gly Gly Cys Ala
290 295 300

Thr Thr Cys Cys Ala Cys Ala Thr Thr Gly Cys Cys Thr Gly Cys Ala Gly
305 310 315 320

Cys Cys Gly Ala Thr Gly Cys Cys Ala Cys Cys Cys Ala Cys Gly Gly Ala
325 330 335

9423.ST25.txt

Cys Thr Cys Thr Thr Cys Ala Ala Cys Ala Cys Cys Cys Ala Cys Thr
340 345 350

Gly Gly Ala Gly Ala Thr Gly Thr Thr Cys Cys Cys Ala Cys Thr Gly
355 360 365

Thr Ala Gly Cys Cys Ala Cys Cys Gly Gly Cys Thr Gly Thr Gly Thr
370 375 380

Gly Thr Ala Gly Cys Cys Thr Gly Thr Gly Gly Thr Cys Gly Cys Ala
385 390 395 400

Thr Ala Gly Cys Cys Gly Gly Cys Cys Thr Gly Gly Ala Ala Ala
405 410 415

Gly Ala Ala Cys Ala Gly Gly Ala Gly Ala Ala Ala Ala Cys Ala
420 425 430

Gly Gly Thr Thr Cys Thr Cys Ala Gly Gly Ala Ala Cys Ala Gly Cys
435 440 445

Ala Cys Ala Cys Ala Gly Ala Thr Gly Ala Cys Thr Gly Cys Gly Cys
450 455 460

Cys Cys Ala Gly Gly Ala Gly Gly Cys Thr Gly Gly Gly Cys Ala Thr
465 470 475 480

Gly Cys Thr Gly Cys Cys Thr Gly Thr Thr Cys Cys Cys Thr Gly Ala
485 490 495

Thr Cys Cys Thr Gly Ala Cys Cys Cys Ala Gly Thr Thr Thr Gly Thr
500 505 510

Cys Thr Cys Cys Ala Gly Cys Cys Ala Gly Gly Cys Gly Cys Thr Gly
515 520 525

Gly Cys Ala Gly Ala Ala Cys Thr Gly Ala Gly Cys Ala Cys Thr Gly
530 535 540

Thr Gly Ala Thr Gly Cys Ala Cys Cys Ala Ala Gly Cys Cys Thr Gly
545 550 555 560

Gly Gly Cys Cys Ala Ala Gly Thr Thr Thr Gly Ala Cys Ala Thr Thr
565 570 575

Cys Gly Gly Gly Gly Cys Ala Cys Thr Gly Thr Thr Thr Cys Thr
580 585 590

Gly Cys Cys Ala Gly Gly Thr Thr Gly Ala Thr Gly Cys Cys Cys Gly
595 600 605

9423.ST25.txt

Thr Gly Thr Gly Thr Gly Gly Gly Cys Cys Cys Cys Cys Gly Gly Gly
610 615 620

Gly Ala Thr Gly Gly Gly Gly Thr Cys Ala Gly Cys Ala Gly Ala
625 630 635 640

Ala Gly Gly Ala Ala Cys Cys Ala Ala Cys Ala Gly Ala Gly Ala Ala
645 650 655

Ala Ala Cys Thr Cys Cys Cys Cys Ala Ala Cys Thr Cys Cys Ala
660 665 670

Cys Ala Ala Cys Cys Thr Thr Cys Cys Thr Gly Cys Ala Ala Thr Gly
675 680 685

Gly Ala Gly Ala Thr Thr Cys Cys Ala Ala Thr Cys Gly Gly Ala Cys
690 695 700

Cys Ala Ala Gly Gly Ala Cys Ala Thr Cys Ala Ala Ala Gly Ala Ala
705 710 715 720

Gly Ala Gly Ala Cys Cys Cys Ala Gly Ala Cys Thr Cys Cys Ala
725 730 735

Cys Thr Gly Ala Gly Ala Gly Cys Cys Ala Gly Cys Ala Gly Ala
740 745 750

Gly Gly Ala Cys Gly Gly Thr Gly Cys Thr Gly Gly Cys Cys Gly Gly
755 760 765

Thr Cys Ala Cys Cys Cys Cys Thr Thr Cys Cys Thr Thr Gly Thr Cys
770 775 780

Cys Cys Thr Cys Thr Cys Thr Gly Thr Gly Ala Gly Cys Thr
785 790 795 800

Gly Cys Thr Ala Gly Cys Cys Thr Cys Thr Ala Cys Thr Gly Cys Thr
805 810 815

Gly Thr Cys Ala Ala Ala Cys Thr Cys Thr Gly Cys Cys Thr Gly Gly
820 825 830

Gly Gly Cys Ala Thr Gly Ala Cys Cys Gly Gly Ala Thr Thr Cys Ala
835 840 845

Cys Ala Thr Gly Gly Cys Cys Thr Thr Thr Gly Cys Thr Cys Cys Gly
850 855 860

Gly Thr Cys Ala Cys Cys Cys Cys Ala Gly Gly Cys Thr Cys Thr Gly Cys
865 870 875 880

9423.ST25.txt

Cys Cys Ala Gly Thr Gly Ala Thr Gly Ala Cys Cys Gly Cys Ala Thr
885 890 895

Thr Ala Cys Cys Ala Ala Cys Ala Thr Cys Cys Thr Gly Gly Ala Cys
900 905 910

Ala Gly Cys Ala Thr Thr Ala Thr Thr Gly Cys Gly Cys Ala Gly Gly
915 920 925

Thr Ala Gly Thr Ala Gly Ala Ala Cys Gly Gly Ala Ala Gly Ala Thr
930 935 940

Cys Cys Ala Ala Gly Ala Gly Ala Ala Gly Cys Cys Cys Thr Gly
945 950 955 960

Gly Gly Gly Cys Cys Ala Gly Gly Cys Cys Thr Gly Cys Gly Ala Gly
965 970 975

Cys Ala Gly Gly Thr Cys Ala Gly Gly Cys Thr Thr Ala Cys Gly
980 985 990

Cys Ala Ala Gly Gly Cys Cys Thr Gly Ala Gly Cys Cys Thr Thr
995 1000 1005

Cys Cys Ala Thr Thr Gly Thr Cys Ala Cys Cys Ala Gly Thr Gly
1010 1015 1020

Cys Gly Ala Ala Cys Cys Cys Gly Gly Cys Thr Gly Thr Cys Thr
1025 1030 1035

Cys Cys Thr Cys Cys Thr Gly Gly Ala Gly Cys Thr Thr Thr Gly
1040 1045 1050

Cys Thr Gly Thr Gly Gly Cys Thr Gly Cys Ala Gly Gly Ala Gly
1055 1060 1065

Cys Cys Thr Ala Gly Gly Cys Cys Thr Ala Ala Gly Cys Ala Thr
1070 1075 1080

Gly Gly Cys Thr Thr Cys Cys Ala Thr Cys Thr Cys Thr Thr Cys
1085 1090 1095

Cys Ala Gly Gly Ala Ala Cys Ala Cys Thr Gly Gly Cys Gly Gly
1100 1105 1110

Cys Ala Gly Gly Cys Cys Ala Gly Cys Cys Cys Gly Thr Gly
1115 1120 1125

Thr Thr Ala Gly Thr Gly Thr Cys Ala Gly Gly Cys Ala Thr Cys
1130 1135 1140

9423.ST25.txt

Cys Ala Gly Ala Ala Gly Ala 1145 Cys Ala Thr Thr Gly Ala Gly Ala 1155

Cys Thr Thr Ala Gly Cys Cys 1160 Thr Gly Thr Gly Gly Gly Ala 1170

Ala Thr Gly Gly Ala Ala Gly 1175 Cys Cys Cys Thr Thr Gly Gly Gly 1185

Ala Cys Ala Cys Thr Thr Gly 1190 Gly Thr Gly Gly Cys Cys Ala Gly 1200

Gly Thr Gly Cys Ala Gly Thr 1205 Cys Ala Cys Thr Gly Ala Cys Thr 1215

Gly Cys Cys Cys Thr Thr Gly 1220 Gly Gly Cys Cys Thr Cys Cys Cys 1230

Cys Ala Gly Cys Cys Cys Ala 1235 Cys Gly Ala Ala Cys Cys Thr Gly 1245

Gly Ala Cys Ala Gly Cys Ala 1250 Cys Ala Gly Cys Ala Thr Thr Cys 1260

Thr Gly Gly Gly Ala Gly Gly 1265 Ala Thr Thr Cys Thr Cys Thr 1275

Cys Ala Thr Cys Cys Thr Gly 1280 Ala Gly Ala Cys Ala Cys Gly Thr 1290

Cys Cys Ala Ala Ala Gly Thr 1295 Thr Ala Gly Ala Thr Gly Ala Gly 1305

Gly Gly Cys Thr Cys Thr Gly 1310 Thr Cys Cys Thr Cys Cys Thr Gly 1320

Cys Thr Ala Cys Ala Cys Cys 1325 Gly Ala Ala Cys Cys Cys Thr Gly 1335

Gly Gly Gly Gly Ala Thr Ala 1340 Ala Gly Gly Ala Cys Gly Cys Thr 1350

Ala Gly Cys Ala Gly Gly Gly 1355 Thr Gly Cys Ala Gly Ala Ala Cys 1365

Cys Thr Thr Gly Thr Cys Thr 1370 Cys Cys Ala Gly Cys Cys Thr Thr 1380

Cys Cys Ala Cys Thr Cys Cys 1385 Cys Ala Gly Ala Ala Thr Ala Cys 1395

9423.ST25.txt

Thr Gly Thr Gly Cys Cys Cys Ala Cys Cys Ala Ala Gly Gly Gly
1400 1405 1410

Ala Ala Ala Cys Thr Cys Ala Ala Cys Cys Thr Ala Gly Cys Gly
1415 1420 1425

Thr Cys Cys Thr Ala Cys Cys Thr Cys Cys Cys Cys Thr Gly
1430 1435 1440

Gly Gly Cys Cys Thr Cys Ala Cys Ala Cys Thr Gly Cys Ala Thr
1445 1450 1455

Cys Cys Ala Cys Thr Gly Gly Ala Gly Cys Cys Cys Cys Ala Gly
1460 1465 1470

Cys Thr Cys Thr Gly Gly Cys Gly Gly Cys Cys Thr Ala Thr
1475 1480 1485

Gly Gly Thr Gly Thr Gly Ala Ala Cys Thr Cys Ala Cys Ala Cys
1490 1495 1500

Cys Gly Thr Gly Gly Ala Cys Ala Cys Cys Thr Gly Gly Gly Gly
1505 1510 1515

Ala Cys Cys Ala Ala Gly Ala Ala Thr Cys Thr Ala Thr Gly Cys
1520 1525 1530

Gly Thr Gly Gly Ala Gly Gly Thr Gly Thr Cys Thr Gly Ala Cys
1535 1540 1545

Cys Thr Ala Ala Thr Cys Ala Gly Thr Ala Thr Cys Cys Thr Gly
1550 1555 1560

Gly Thr Gly Cys Ala Cys Gly Cys Cys Gly Ala Gly Gly Cys Cys
1565 1570 1575

Cys Ala Gly Cys Thr Gly Cys Cys Thr Cys Cys Cys Thr Gly Gly
1580 1585 1590

Thr Ala Thr Cys Gly Ala Gly Cys Ala Cys Ala Gly Ala Ala Ala
1595 1600 1605

Gly Ala Thr Thr Thr Cys Cys Thr Cys Thr Cys Ala Gly Gly Cys
1610 1615 1620

Cys Thr Gly Gly Ala Thr Gly Gly Gly Gly Ala Ala Gly Gly Ala
1625 1630 1635

Cys Thr Cys Thr Gly Gly Thr Cys Thr Cys Cys Ala Gly Gly Gly
1640 1645 1650

9423.ST25.txt

Ala Gly Cys Cys Ala Gly Ala Cys Cys Ala Gly Cys Ala Cys Thr
1655 1660 1665

Gly Thr Gly Thr Gly Gly Cys Ala Thr Gly Thr Gly Thr Thr Cys
1670 1675 1680

Cys Gly Gly Gly Cys Cys Cys Ala Gly Gly Ala Thr Gly Cys Cys
1685 1690 1695

Cys Ala Gly Cys Gly Cys Ala Thr Cys Cys Gly Thr Cys Gly Cys
1700 1705 1710

Thr Thr Thr Cys Thr Cys Cys Ala Gly Ala Thr Gly Gly Thr Gly
1715 1720 1725

Thr Gly Cys Cys Cys Ala Gly Cys Thr Gly Gly Ala Gly Cys Ala
1730 1735 1740

Gly Gly Ala Ala Cys Cys Thr Thr Gly Gly Ala Gly Cys Cys Thr
1745 1750 1755

Gly Gly Thr Gly Cys Cys Cys Cys Ala Gly Gly Cys Ala Gly Cys
1760 1765 1770

Thr Gly Cys Thr Ala Cys Thr Thr Gly Gly Ala Thr Gly Cys Ala
1775 1780 1785

Gly Gly Gly Thr Thr Gly Cys Gly Cys Cys Gly Ala Cys Gly Gly
1790 1795 1800

Cys Thr Ala Ala Gly Ala Gly Ala Ala Gly Ala Gly Thr Gly Gly
1805 1810 1815

Gly Gly Thr Gly Thr Gly Ala Gly Cys Thr Gly Cys Thr Gly Gly
1820 1825 1830

Ala Cys Cys Cys Thr Gly Cys Thr Gly Cys Ala Gly Gly Cys Thr
1835 1840 1845

Cys Cys Thr Gly Gly Gly Ala Ala Gly Cys Gly Gly Thr Gly
1850 1855 1860

Cys Thr Gly Gly Thr Cys Cys Cys Gly Gly Cys Thr Gly Gly Gly
1865 1870 1875

Gly Cys Gly Cys Cys Cys Cys Ala Thr Cys Ala Gly Gly Thr Gly
1880 1885 1890

Cys Ala Gly Gly Gly Cys Cys Thr Gly Gly Thr Gly Ala Gly Cys
1895 1900 1905

9423.ST25.txt

Ala Cys Ala Ala Thr Cys Ala Gly Thr Gly Thr Cys Ala Cys Thr
 1910 1915 1920

 Cys Ala Gly Cys Ala Cys Thr Thr Thr Cys Thr Gly Thr Cys Thr
 1925 1930 1935

 Cys Cys Thr Gly Ala Gly Ala Cys Cys Thr Cys Thr Gly Cys Cys
 1940 1945 1950

 Cys Thr Cys Thr Cys Thr Gly Cys Thr Cys Ala Gly Cys Thr Cys
 1955 1960 1965

 Thr Gly Cys Cys Ala Cys Cys Ala Gly Gly Gly Ala Gly Cys Cys
 1970 1975 1980

 Ala Gly Cys Cys Thr Ala Cys Cys Cys Cys Cys Thr Gly Ala Cys
 1985 1990 1995

 Cys Ala Cys Cys Gly Thr Ala Thr Gly Cys Thr Thr Ala Thr
 2000 2005 2010

 Gly Cys Cys Cys Ala Gly Ala Thr Gly Gly Ala Cys Cys Gly Gly
 2015 2020 2025

 Gly Cys Thr Gly Thr Gly Thr Cys Cys Ala Ala Gly Cys Ala
 2030 2035 2040

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 2045 2050 2055

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 2060 2065 2070

 Gly Cys Thr Ala Ala Ala
 2075

<210> 18
 <211> 2079
 <212> DNA
 <213> C-terminal portion of hairless protein of mouse (Hrt) having amino acid residues 490 to 1182

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 gcccacttccg aagaaggagg aggagggcct ggcccagaag cttcactcaa caagggcctg 180
 gccaaggcacc tgctgagtg tttggggac cgactctgcc gcctgctgcg gaaggagcgg 240
 gaggcccttg cctgggcaca gcgagaaggc caggggcccag ccatgacaga ggacagccca 300
 ggcattccac attgctgcag ccgatgccac cacggactct tcaacaccca ctggagatgt 360

9423.ST25.txt

tcccactgta	gccaccggct	gtgtgttagcc	tgtggtcgca	tagccggcgc	tggaaagaac	420
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gctgcctgtt	ccctgatcct	gaccagttt	gtctccagcc	aggcgctggc	agaactgagc	540
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gagaccccaag	actccactga	gagcccagca	gaggacggtg	ctggccggtc	accccttcct	780
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cggattcaca	tggccttgc	tccggtcacc	ccagctctgc	ccagtgatga	ccgcattacc	900
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catggcttcc	atctcttcca	ggaacactgg	cggcaggggcc	agcccgttt	agtgtcaggc	1140
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gccagcctac	cccctgacca	ccgtatgctt	tatgcccaga	tggaccgggc	tgtgttccaa	2040
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<210> 19
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 <213> Oligonucleotide primer

<400> 19
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30

9423.ST25.txt

<210> 20
<211> 49
<212> DNA
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<400> 20
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